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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 04249454 A
(43) Date of publication of application: 04.09.1992

(51) Int. Cl H04M 1/00
H04B 7/26

(21) Application number: 03035121
(22) Date of filing: 06.02.1991

(71) Applicant: MATSUSHITA ELECTRIC IND CO LTD
(72) Inventor: SUZUKI TAKAYUKI

(54) IDENTIFICATION DATA WRITING SYSTEM

(57) Abstract:

PURPOSE: To register an identifier in each slave set without any manual aid at the time of inputting the identification data(ID), and to avoid plural slave child units from the duplicating of the same ID.

CONSTITUTION: An ID is written through a stage for sending an ID to be written from a connecting device 11 to slave sets 13 and 15, a stage for adding random numbers generated independently by random number generator sections 14 and 16 of child unit to the received ID in the child unit received the ID and for responding and sending to the connecting device 11, a stage for receiving at the connecting device a response from the slave set, for resending a signal indicating the invalidity in the case an detecting section 12 detects the noncoincidence of ID and/or duplicated random numbers and for resending a signal indicating the

validity in the case the error detecting section 12 detects the coincidence of ID and one random number, and a stage for registering ID in the slave set itself in the case a signal indicating the validity is received by the slave set.

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